Fig. 1

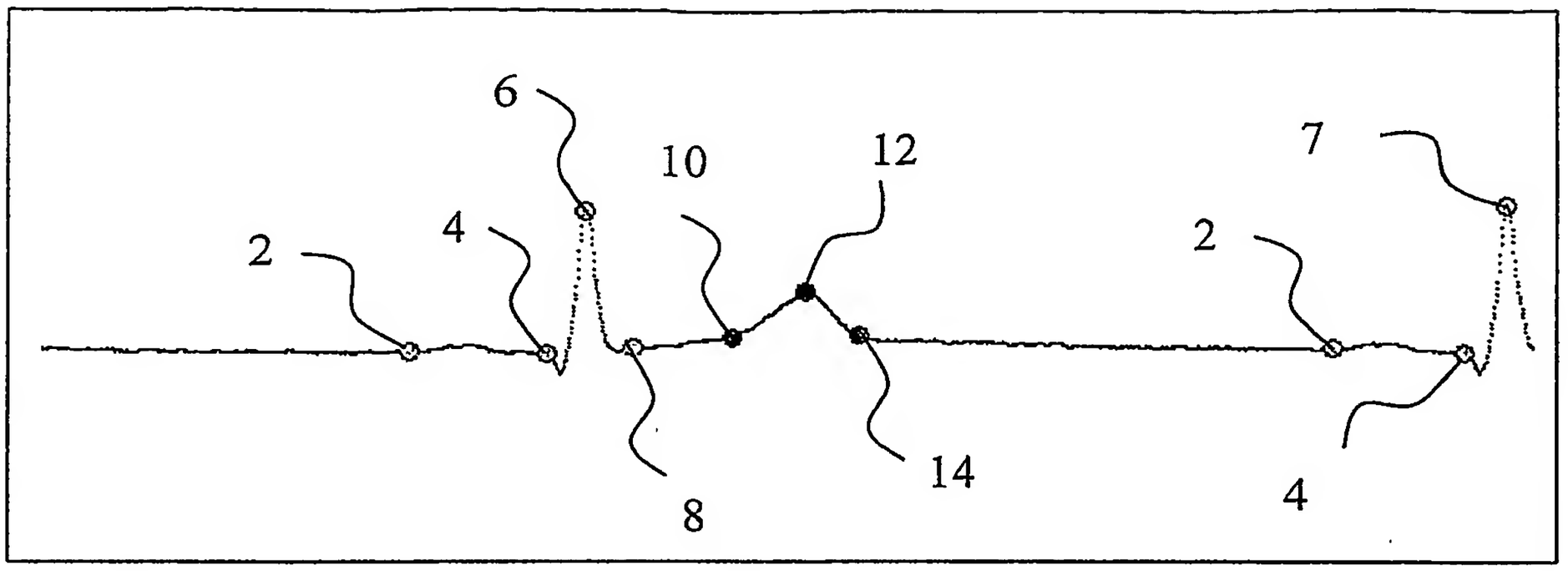

6
10
12
7
2
4
2
14
4
8

Fig. 2

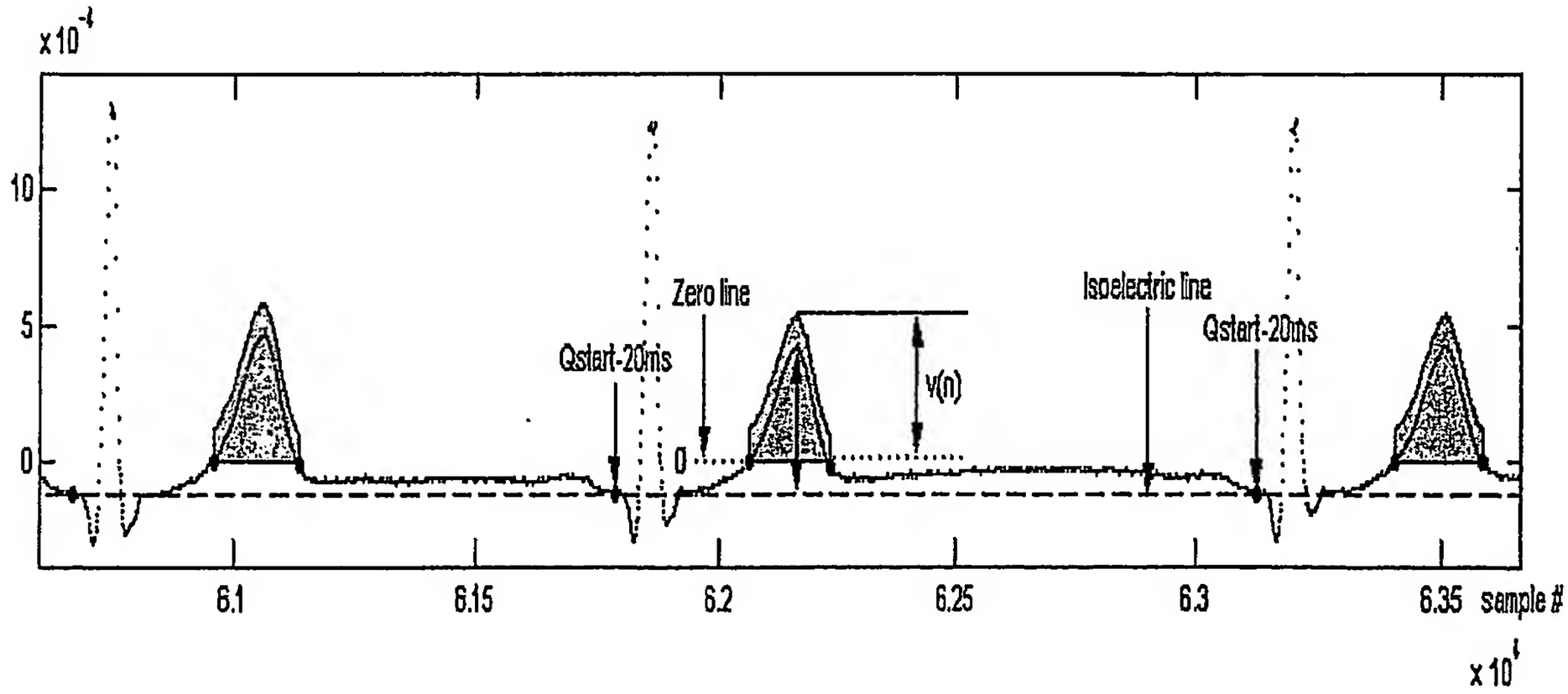

x10^-4
10
5
0
Zero line
Isoelectric line
Qstart-20ms
Qstart-20ms
v(n)
0
6.1
6.15
6.2
6.25
6.3
6.35
sample #
x 10^4

Fig. 3

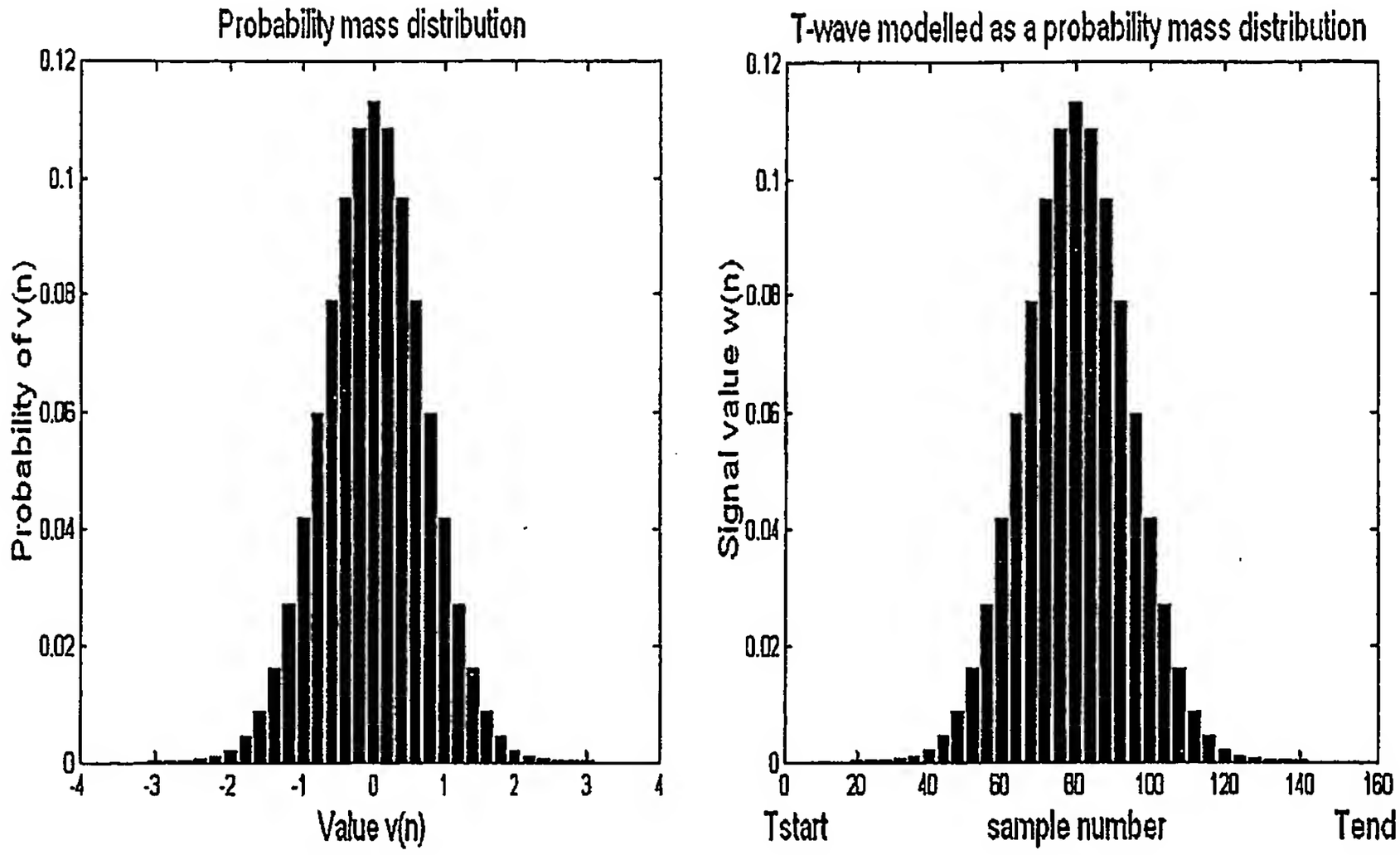

Probability mass distribution
Probability of v(n)
Value v(n)
0.12
0.1
0.08
0.06
0.04
0.02
0
-4
-3
-2
-1
0
1
2
3
4
T-wave modelled as a probability mass distribution
Signal value w(n)
0
20
40
60
80
100
120
140
160
Tstart
sample number
Tend

Fig. 4

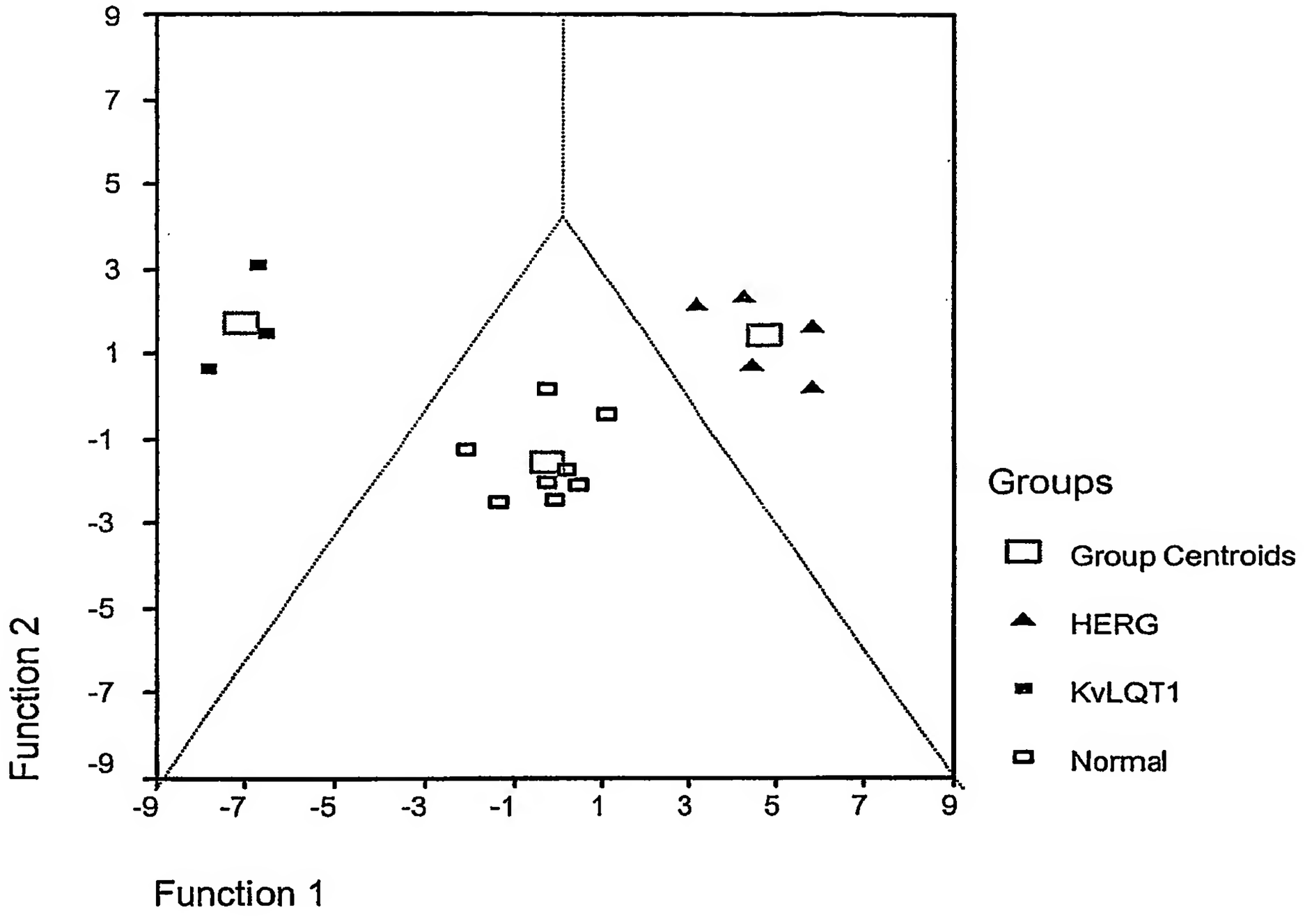

9
7
5
3
1
-1
-3
-5
-7
-9
Function 2
-9
-7
-5
-3
-1
1
3
5
7
9
Function 1
Groups
Group Centroids
HERG
KvLQT1
Normal

Fig. 5a

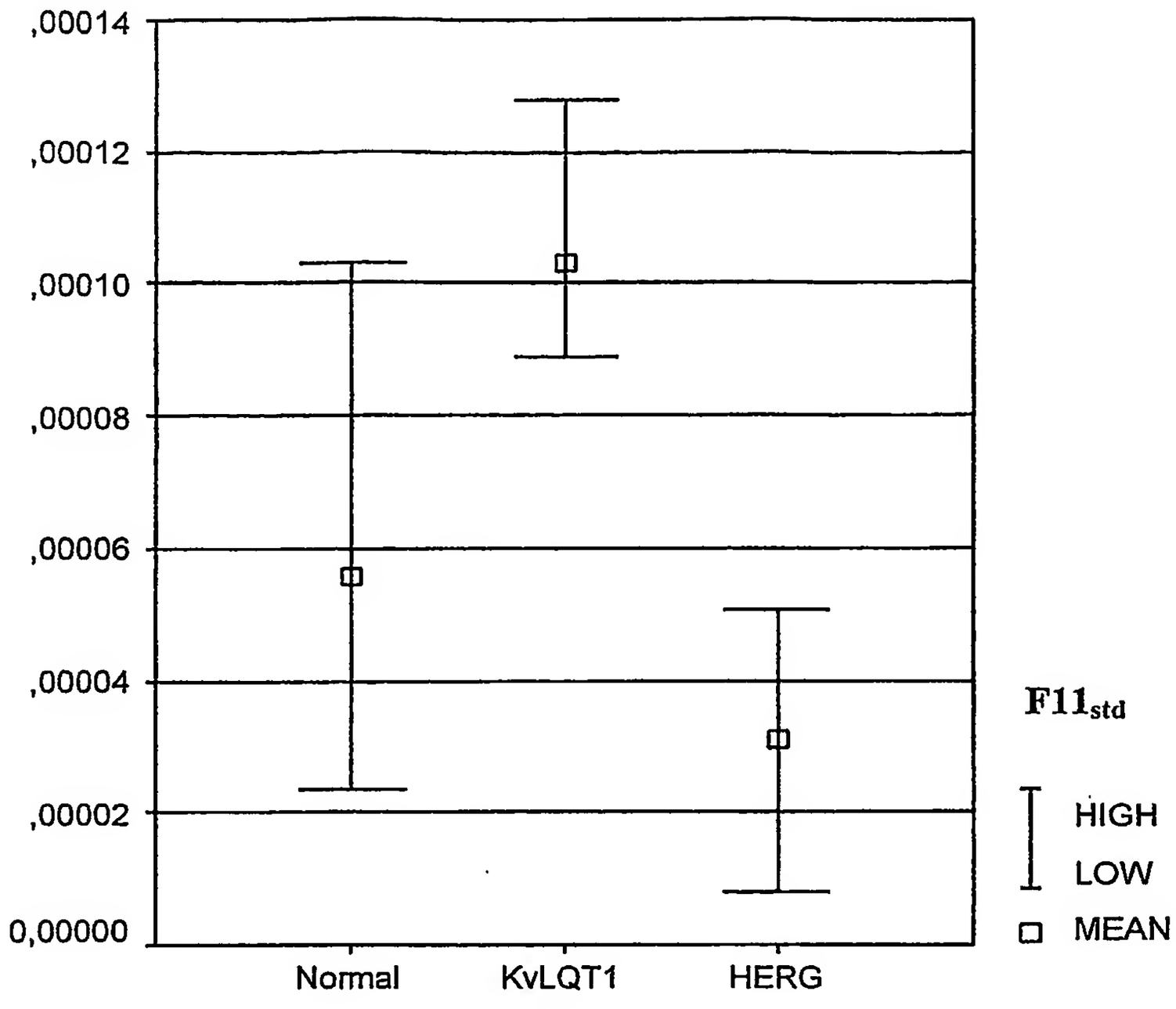

,00014
,00012
,00010
,00008
,00006
,00004
,00002
0,00000
Normal
KvLQT1
HERG
F11std
HIGH
LOW
MEAN

Fig. 5b

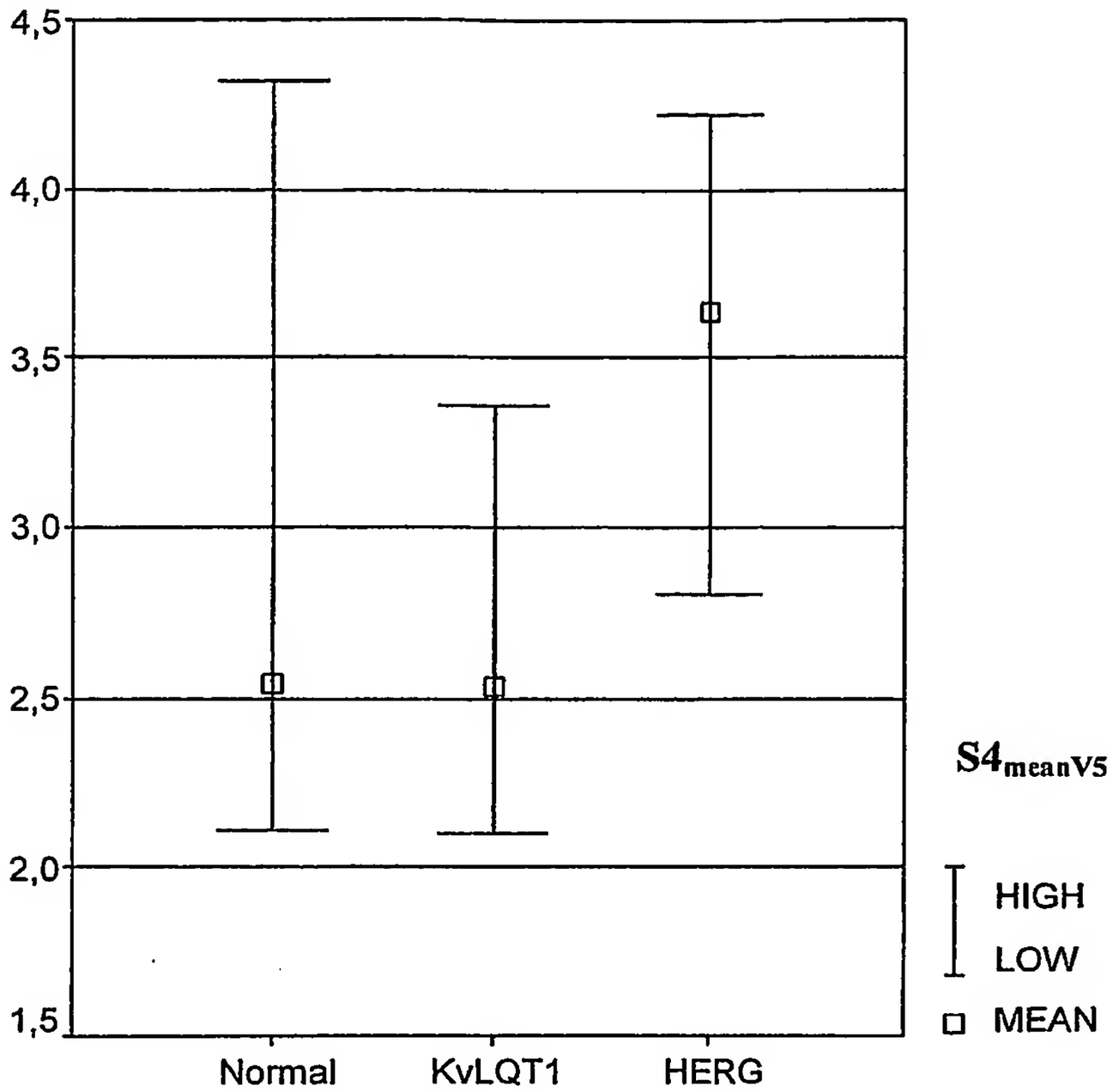


Fig. 5c

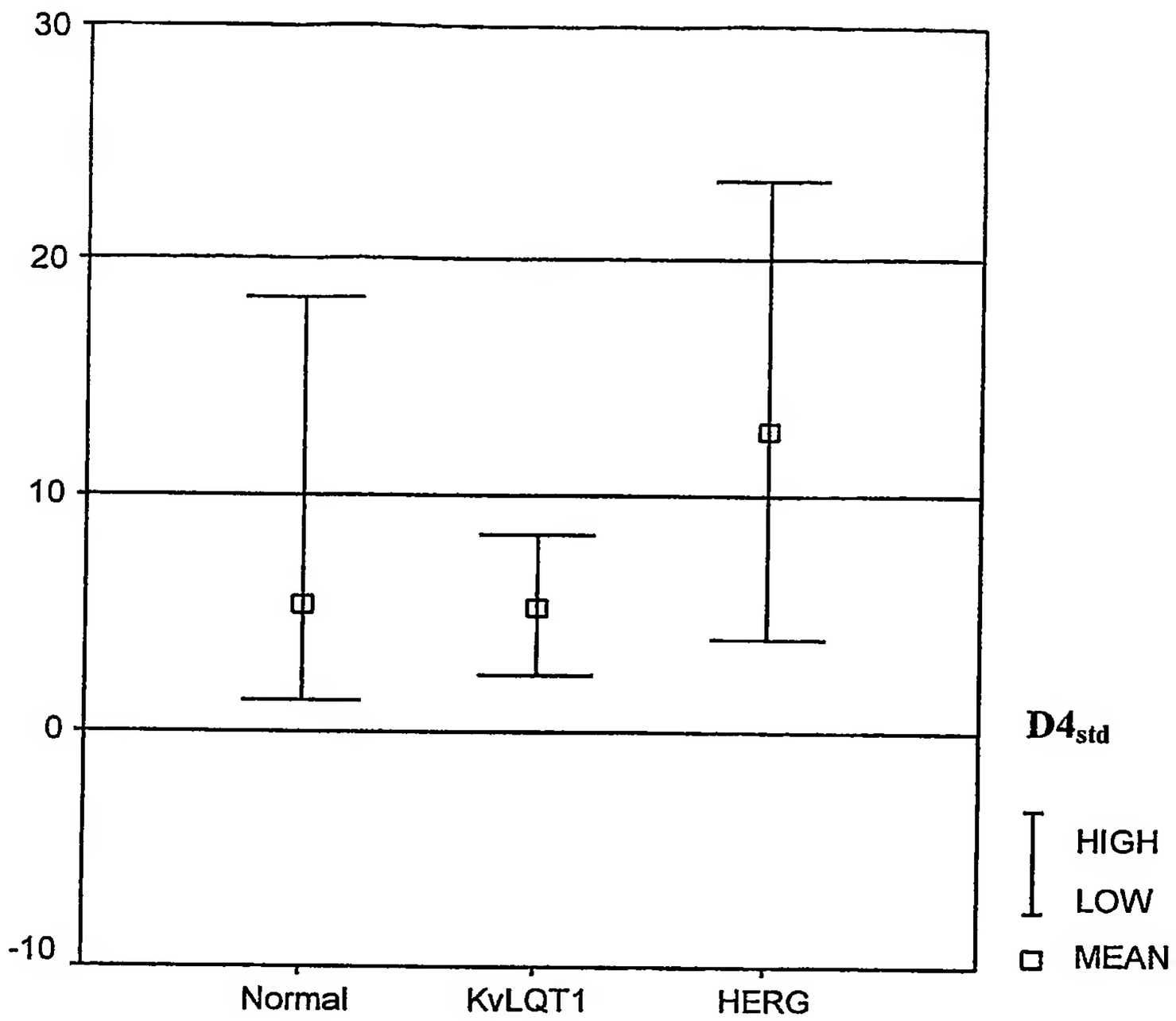


Fig. 5d

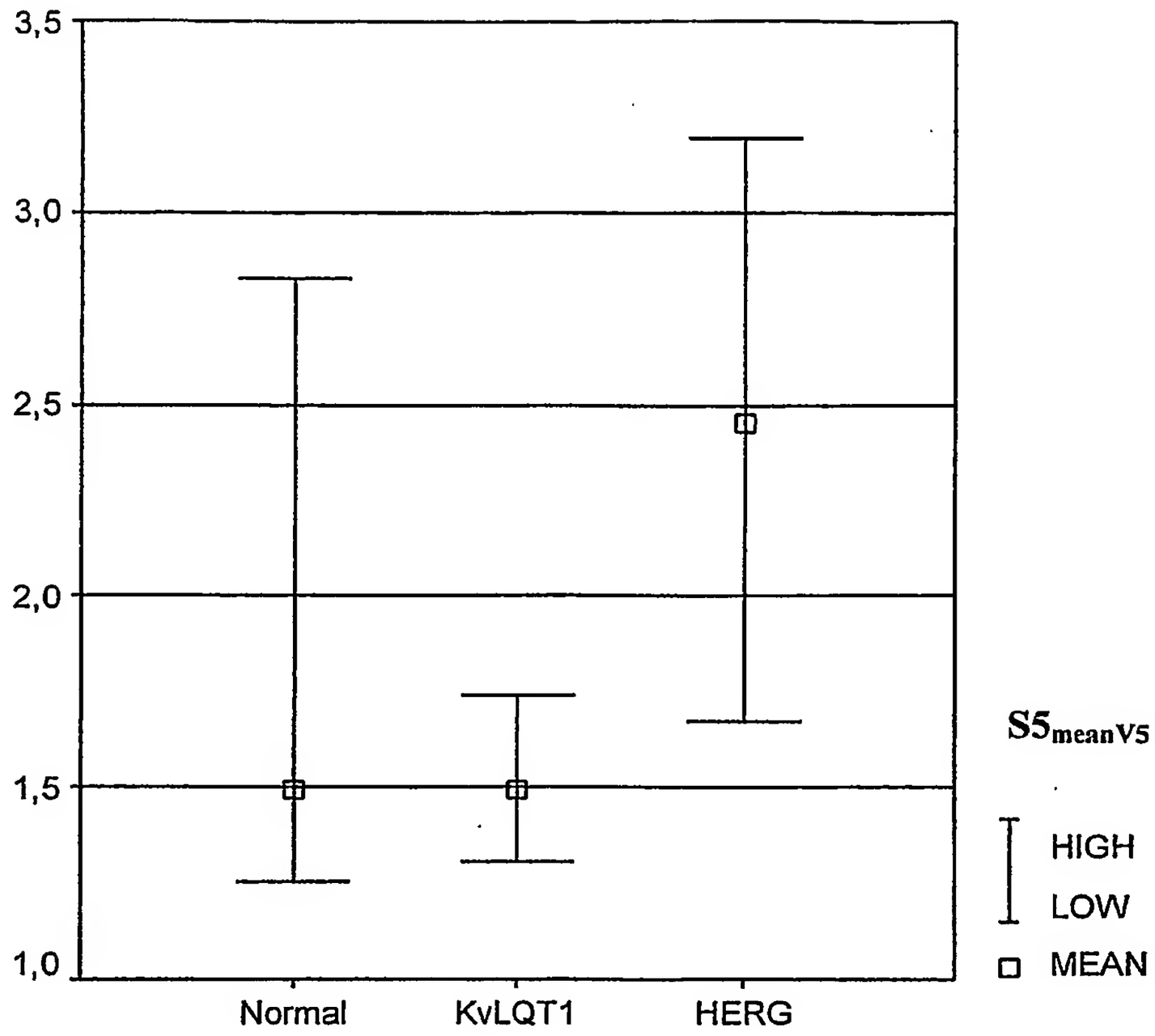


Fig. 5e

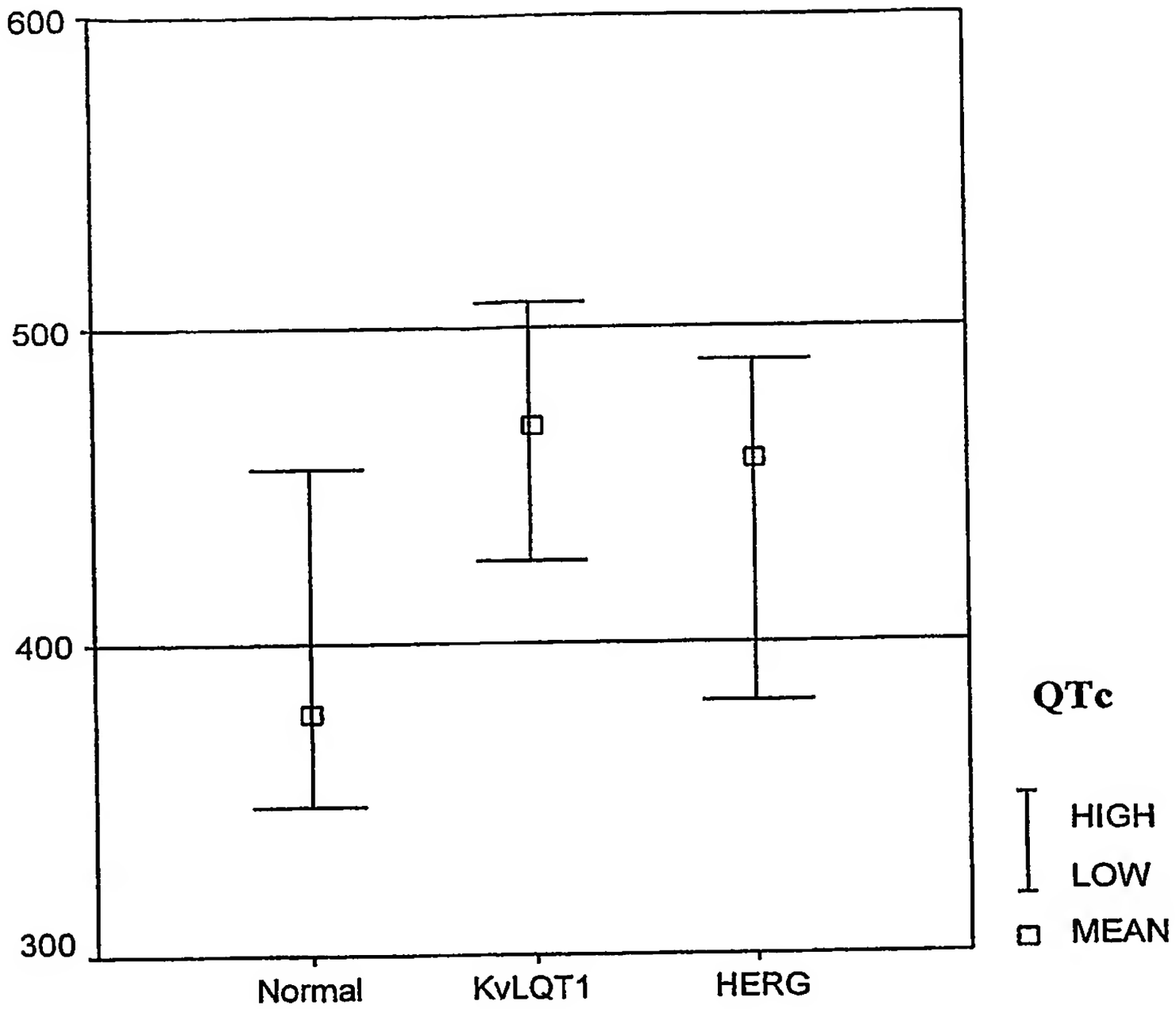


Fig. 6a

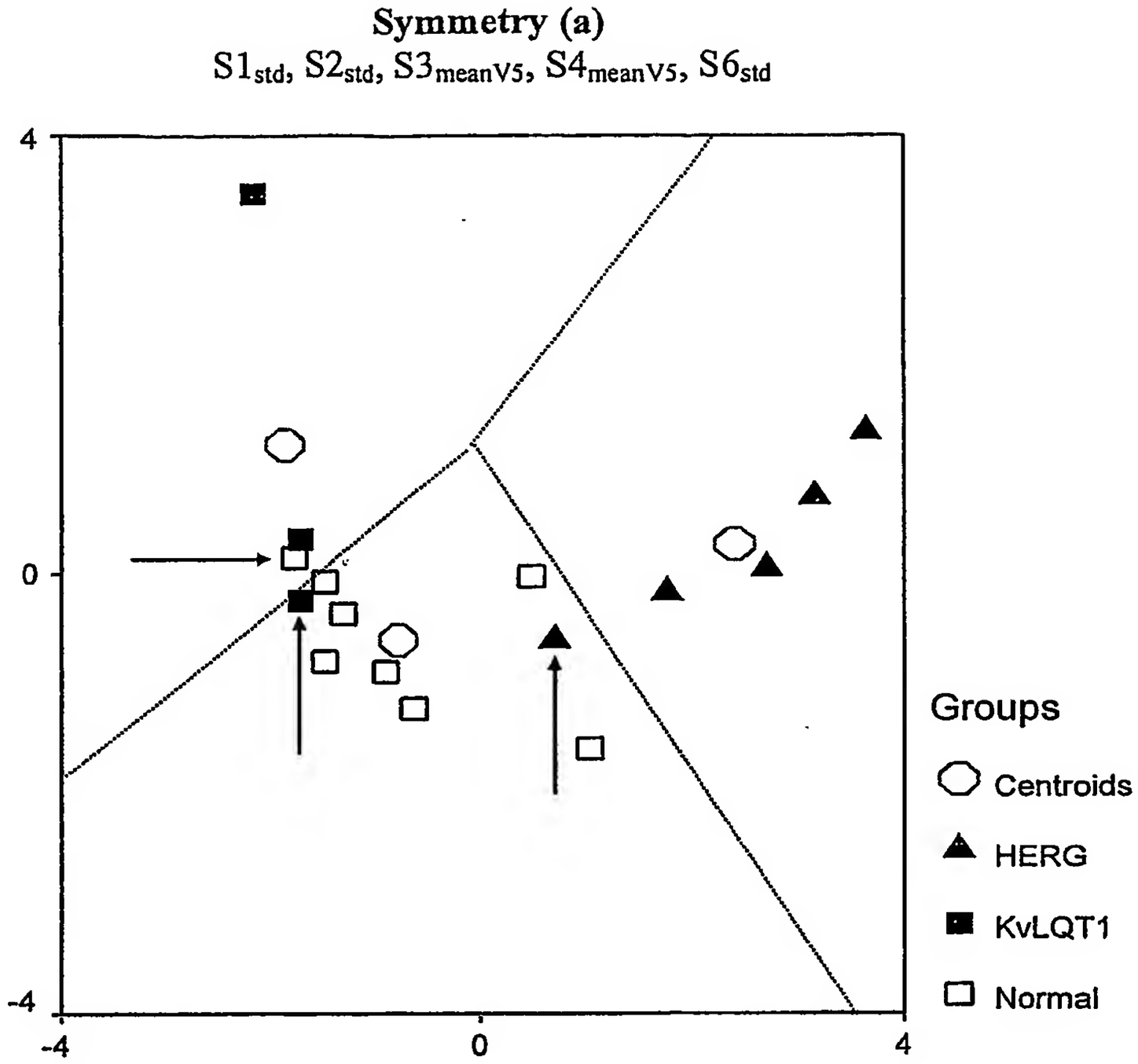

Symmetry (a)
S1std, S2std, S3meanV5, S4meanV5, S6std
4
0
-4
-4
0
4
Groups
Centroids
HERG
KvLQT1
Normal

Fig. 6b

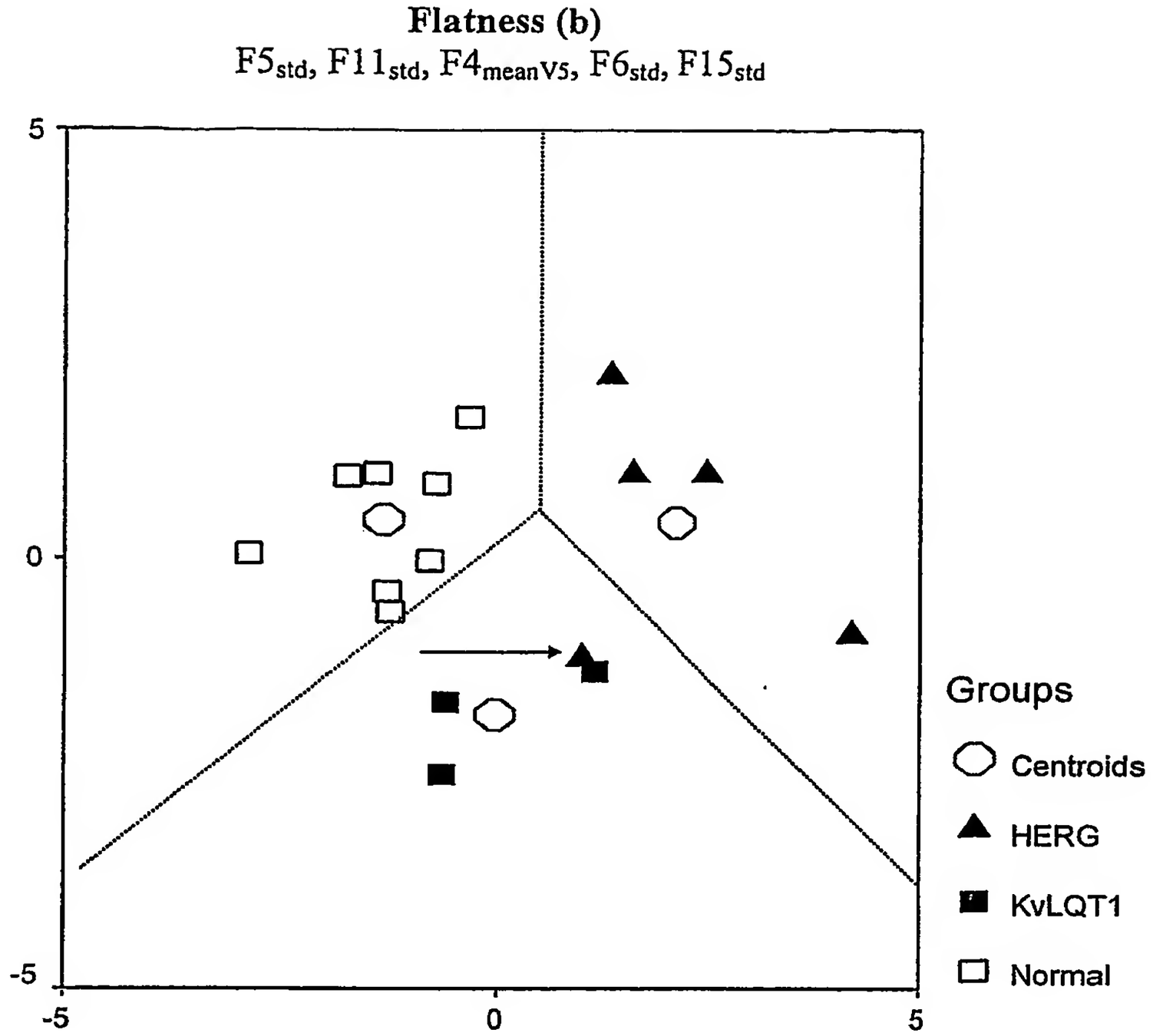

Flatness (b)
F5std, F11std, F4meanV5, F6std, F15std
5
0
-5
-5
0
5
Groups
Centroids
HERG
KvLQT1
Normal

Fig. 6c

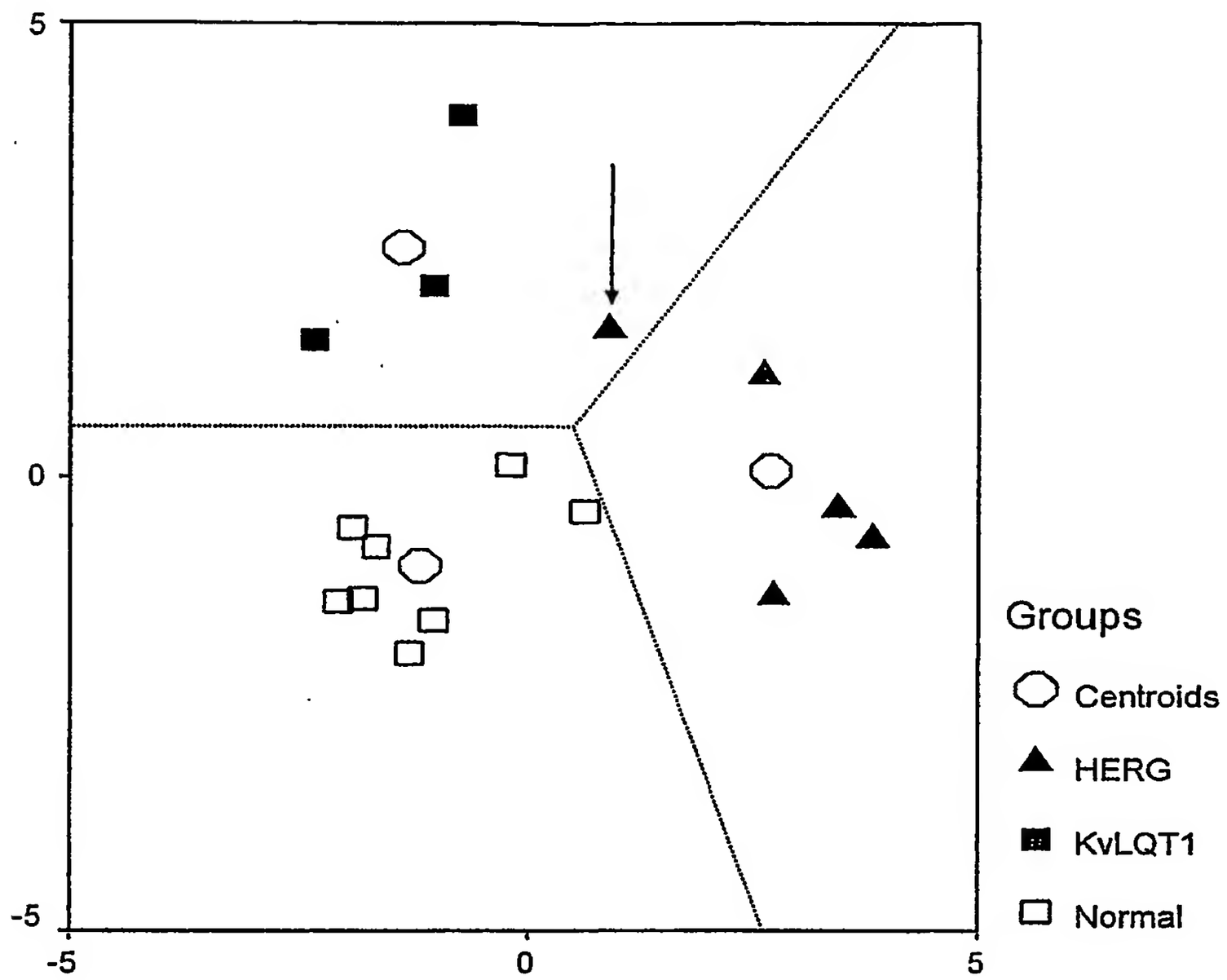

Duration (c)
D2meanV5, D3meanV5, D3std, D4std, QTc
5
0
-5
-5
0
5
Groups
Centroids
HERG
KvLQT1
Normal

Fig. 6d

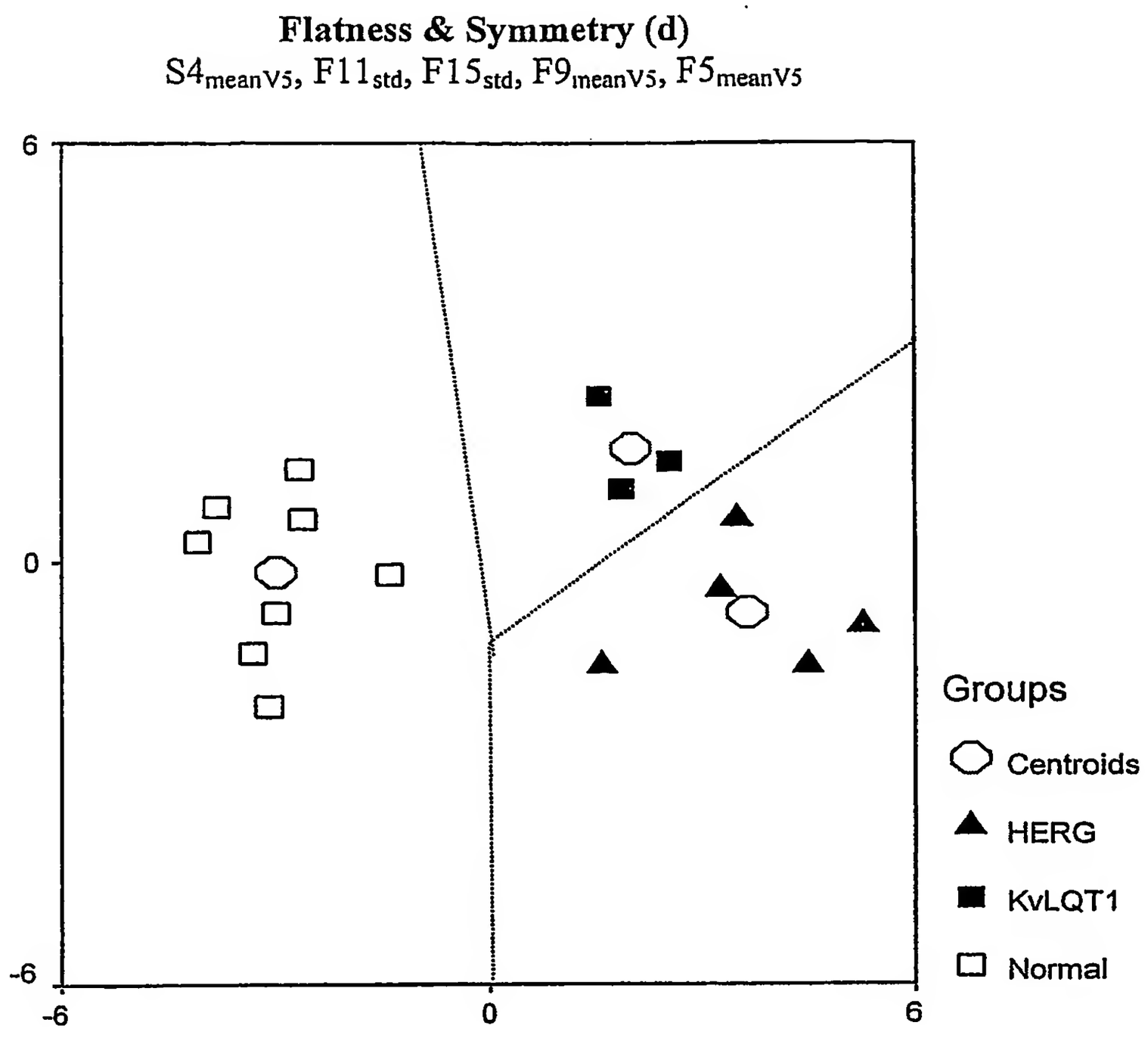

Flatness & Symmetry (d)
S4meanV5, F11std, F15std, F9meanV5, F5meanV5
6
0
-6
-6
0
6
Groups
Centroids
HERG
KvLQT1
Normal

Fig. 6e

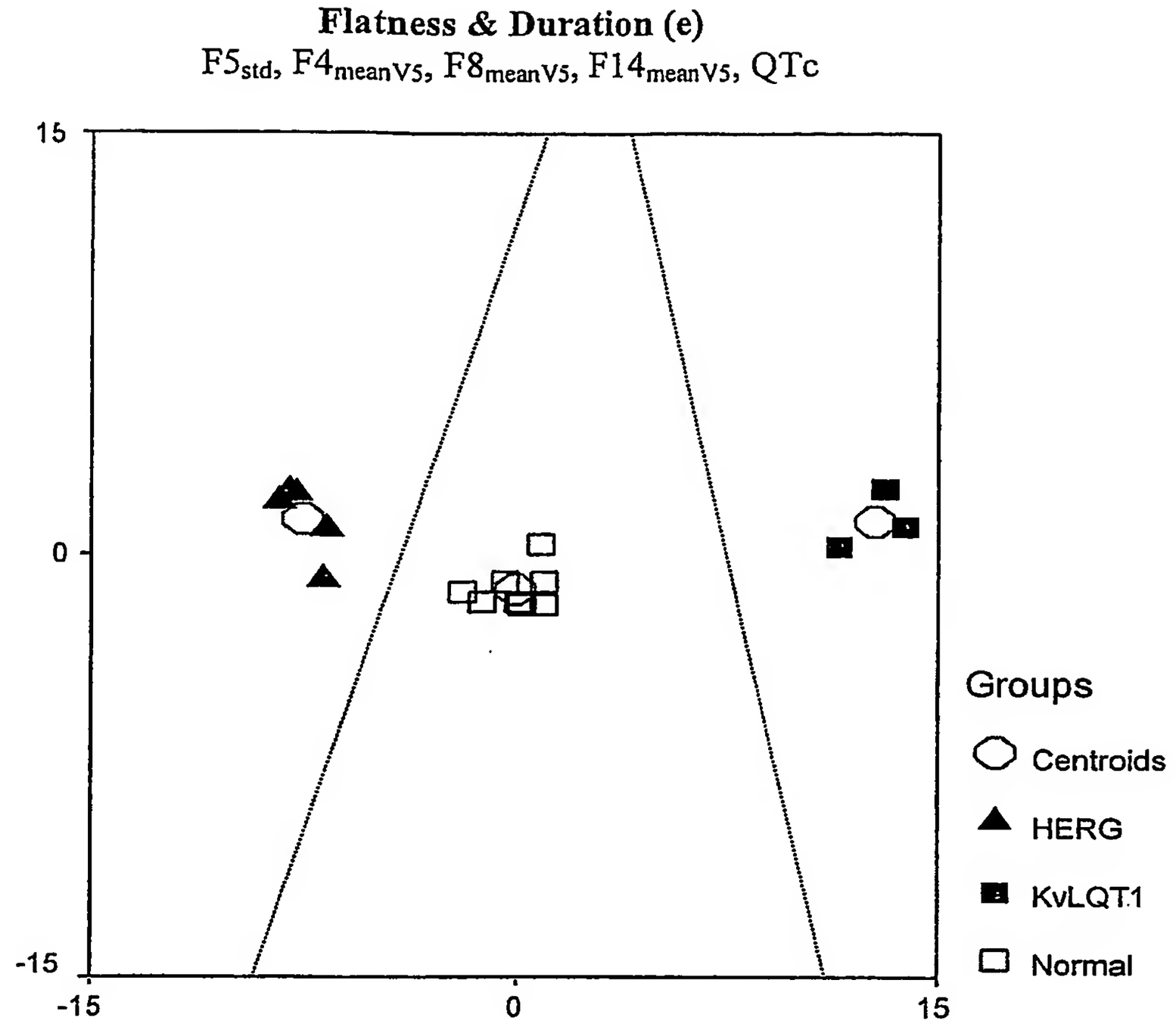
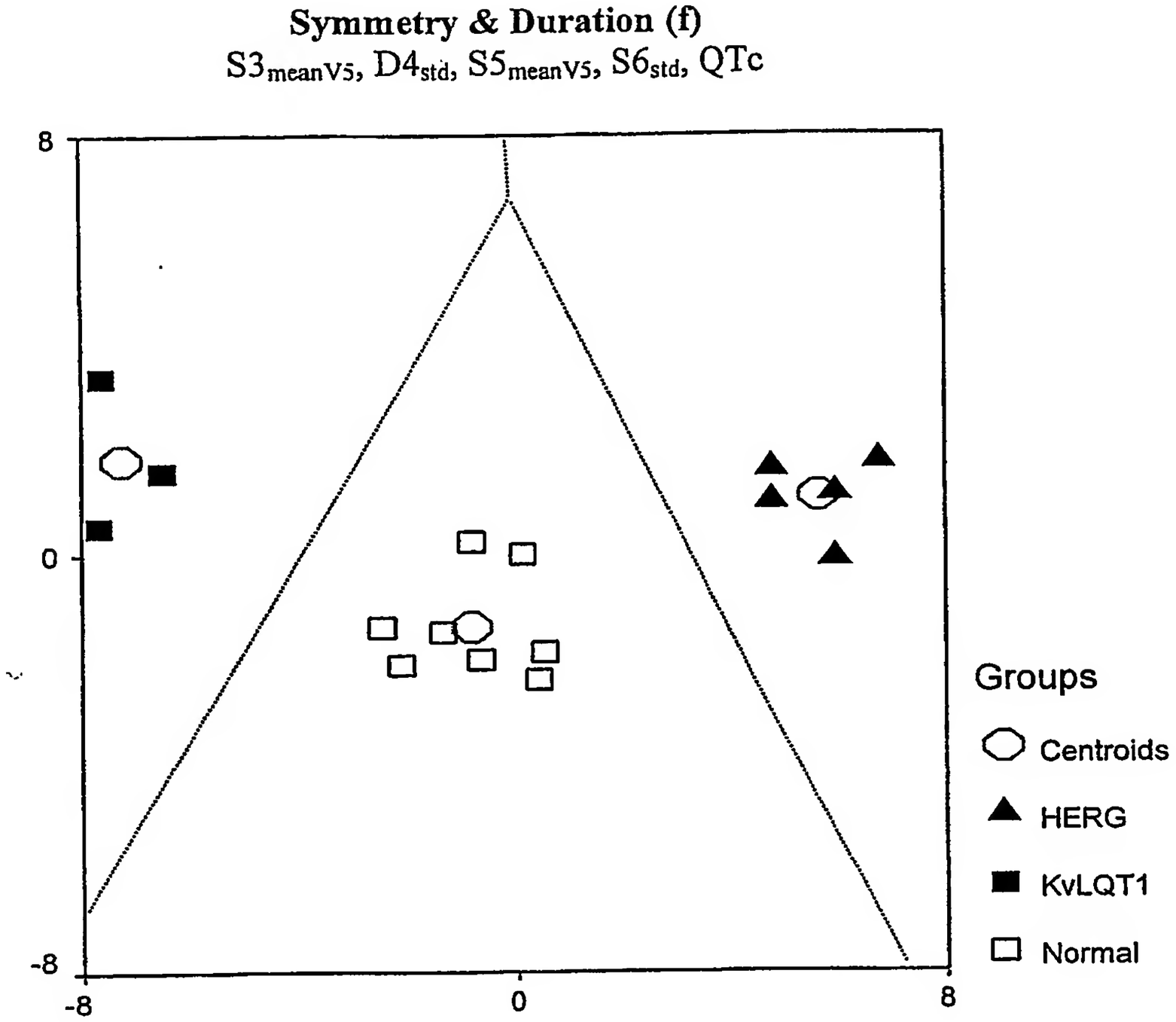

Flatness & Duration (e)
F5std, F4meanV5, F8meanV5, F14meanV5, QTc
15
0
-15
-15
0
15
Groups
Centroids
HERG
KvLQT1
Normal

Fig. 6f


Symmetry & Duration (f)
S3meanV5, D4std, S5meanV5, S6std, QTc
8
0
-8
-8
0
8
Groups
Centroids
HERG
KvLQT1
Normal